

# JOSEPH MOXON , MECHANIC DIALLING

London 1668

## Mechanic Dyalling:

TEACHING

Any Man, though of an Ordinary Capacity and unlearned in the Mathematicks, to draw a True

## SUN--DYAL

On any

## Given Plane,

However, situated : Only with the help of a straight R U L E R and a pair of COMPASSES : And without any Arithmetical Calculation.

By Joseph Moxon, *Hydrographer to the Kings most Excellent Majesty.*

LONDON

Printed for Joseph Moxon on Ludgate-hill, at the Sign of Atlas. M DC LXVIII

“Mechanic Dyalling” is a book describing how to make dials with a ruler and a pair of compasses. It commences:

### MECHANICK DYALLING.

*Description of Dyalling.*

#### OPERATION I.

*The Description of the Clinatory.*

#### OPERAT. II.

*To describe a Dial upon a Horizontal Plane.*

#### OPERAT. III.

*To describe an Erect Direct South Dial.*

#### OPERAT. IV.

*To make an Erect Direct North Dial.*

#### OPERAT. V.

*To describe an Erect direct East Dial.*

#### OPERAT. VI.

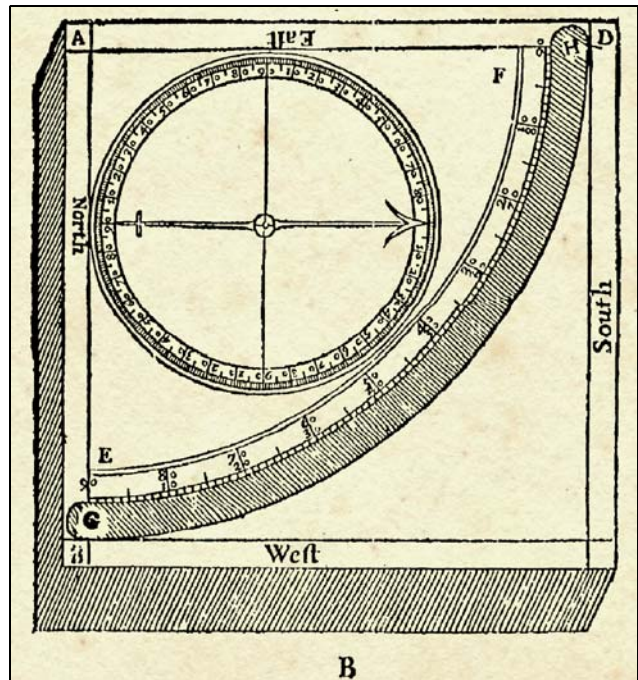
*To describe a Dial on an Erect Direct West Plane.*

#### OPERAT. VII.

*To describe a Dial on an Erect North, or Erect South Plane Declining Eastwards or Westwards.*

#### OPERAT. VIII.

*To draw a Dial on an East or West Plane Reclining or Inclining.*



*A Clinatory*

#### OPERAT. IX.

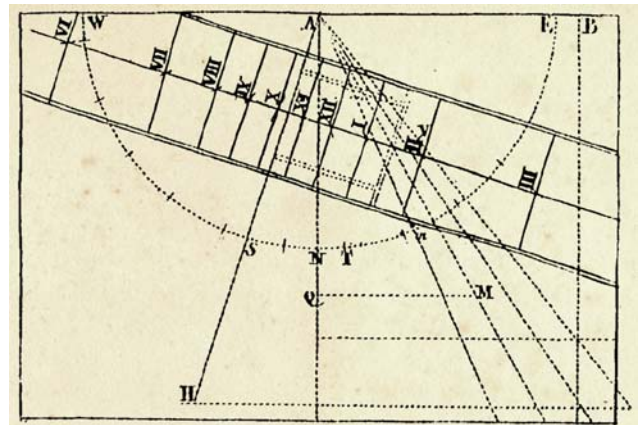
*To draw a Dial on a South or North Inclining Declining, or Reclining Declining Plane.*

#### OPERAT. X.

*How to draw a Dial with a Center, Declining 20 Degrees, and Inclining 30 Degrees.*

#### OPERAT. XI.

*How to draw a Dial without a Center, on a South Plane; Declining East 30 Degrees, Reclining 34 Degrees 32 Minutes.*



*Dial in OPERAT XI.*

#### OPERAT. XII.

*To make a Dial on the Ceiling of a Room, where the Direct Beams of the Sun never come.*